

Docket No.: 52292-053

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	:	Customer Number: 20277
	:	
Michael Paul WOLF, et al	:	Confirmation Number: To be assigned
	:	
Serial No.: Continuation of Application No. 10/237,070	:	Group Art Unit: To be assigned
	:	
Filed: September 15, 2003	:	Examiner: To be assigned
	:	
For: CONTROL, SOUND, AND OPERATING SYSTEM FOR MODEL TRAINS		

INFORMATION DISCLOSURE STATEMENT

Mail Stop NEW APPLICATIONS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached form PTO-1449. It is respectfully requested that the references be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

The references were cited by or submitted to the U.S. Patent and Trademark Office in parent application Serial No. 10/237,070 , filed September 9, 2002 , which is relied upon for an


Serial No.: Continuation of
Application Serial No. 10/237,070

earlier filing date under 35 USC 120. Thus, copies of these references are not attached. 37 CFR
1.98(d).

Please charge any shortage in fees due in connection with the filing of this paper, including
extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit
account.

Respectfully submitted,

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Date: September 15, 2003

INFORMATION DISCLOSURE CITATION IN AN APPLICATION				ATTY. DOCKET NO. 52292-053		SERIAL NO. Continuation of Serial No. 10/237,070	
(PTO-1449)				APPLICANT: Michael Paul WOLF, et al			
				FILING DATE Sept. 15, 2003		GROUP Not Yet Assigned	
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
	6,014,934	01/18/00	Pierson	105	26.05	11/04/98	
	5,555,815	09/17/96	Young et al.	104	296	10/13/94	
	5,251,856	10/12/93	Young et al.	246	4	02/11/92	
	5,441,223	08/15/95	Young et al.	246	4	10/08/93	
	5,749,547	05/12/98	Young et al.	246	4	08/11/95	
	4,914,431	04/03/90	Severson et al.	340	825.690	04/13/87	
	5,184,048	02/02/93	Severson et al.	318	280	02/14/90	
	5,267,318	11/30/93	Severson et al.	381	51	09/26/90	
	5,394,068	02/28/95	Severson et al.	318	280	02/02/93	
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
	1,436,814	05/26/76	London, England			Yes	No
	2738820	03/15/79	Germany			X Abstract	
	2361538	06/12/75	Germany			X Abstract	
	7801499-0	09/10/79	Sweden			X Abstract	
	2425427	12/04/75	Germany			X Abstract	
	3309662 A1	09/27/84	Germany			X	
	2,014,770 A	08/30/79	United Kingdom				
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	"Is Astrac on the right track?", Linn H. Westcott, December 1963, pp. 10-11 and 33-37.						
	"Lionel "E-Units", pp. 231-234.						
	"Introducing the CTC-16: A 16-channel command control system you can build", Keith Gutierrez, Part 1, MODEL RAILROADER, December 1979, PP. 64-67.						
	"The CTC-16: A command control system you can build", Keith Gutierrez, Part 2, MODEL RAILROADER, January 1980, pp. 86-93.						
	CTC-16: A command control system you can build", Keith Gutierrez, Part 3, MODEL RAILROADER, February 1980, pp. 89-92.						
	"The CTC-16: A command control system you can build", Keith Gutierrez, Part 4, MODEL RAILROADER, March 1980, pp. 89-93.						
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U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
	5,448,142	09/05/95	Severson et al.	318	280	09/27/93	
	5,492,290	02/20/96	Quinn et al.	246	219	10/28/94	
	5,590,856	01/07/97	Quinn et al.	246	219	06/07/95	
	5,633,985	05/27/97	Severson et al.	395	2.76	05/31/95	
	5,773,939	06/30/98	Severson et al.	318	51	06/07/95	
	5,832,431	11/03/98	Severson et al.	704	258	11/30/93	
	5,896,017	04/20/99	Severson et al.	312	280	06/07/95	
	5,940,005	08/17/99	Severson et al.	340	825.52	05/15/95	
	2,247,418	07/01/41	W.R. Smith	246	31	04/21/39	
	2,882,834	04/21/59	W.R. Smith	104	150	05/03/56	
	3,839,822	10/08/74	Rexford	46	232	05/23/73	
	4,270,226	05/26/81	Weintraub et al.	455	353	03/19/79	
	4,325,199	04/20/82	McEdwards	46	232	10/14/80	
	4,481,661	11/06/84	Spector	381	61	09/21/82	
	4,933,980	06/12/90	Thompson	381	61	05/01/89	
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	"CTC-16: A command control system you can build", Keith Gutierrez, Part 5, MODEL RAILRAODER, April 1980, pp. 71-77.						
	"The CTC-16: Epilogue", Richard C. Kamm et al., MODEL RAILROADER, December 1980, pp. 132-136 (pp. 54-55 from March 1991).						
	"Build the wireless throttle: 1", Keith Gutierrez, March 1983, MODEL RAILROADER, pp. 86-95.						
	"Build the wirelss throttle: 2", Keith Gutierrez, April 1983, MODEL RAILROADER, PP. 68-75.						
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U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
	4,964,837	10/23/90	Collier	446	409	02/16/89	
	4,711,418	12/08/87	Aver, Jr. et al.	246	5	04/08/86	
	4,723,737	02/09/88	Mimoun	246	2 S	10/17/85	
	5,146,153	09/08/92	Luchaco et al.	323	324	11/01/89	
	5,174,216	12/29/92	Miller et al.	104	296	03/13/91	
	3,664,060	05/23/72	Longnecker	46	232	03/08/71	
	4,247,107	01/27/81	Smith, III et al.	273	86 B	01/19/79	
	5,024,626	06/18/91	Robbins et al.	446	409	02/01/91	
	5,061,905	10/29/91	Truchsess	331	47	11/16/90	
	5,088,955	02/18/92	Ishimoto	446	409	03/12/91	
	4,572,996	02/25/86	Hanschke et al.	318	341	04/19/84	
	2,221,963	11/19/40	N.L. Case et al.	104	151	06/10/37	
	3,293,549	12/20/66	H.W. Patterson	325	64	09/23/63	
	3,315,613	04/25/67	D. J. Leslie	104	151	07/22/63	
	3,639,755	02/01/72	Wrege	246	187 B	01/02/70	
	3,699,522	10/17/72	Haner, Jr.	340	171 R	09/20/66	
	3,964,701	06/22/76	Kacerek	246	2 F	05/27/75	
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
"Commercial Command Control Systems", Andy Sperandio, MODEL RAILROADER, November 1979, pp. 80-81.							
"µP-programmable speed controller for model railways", W. Pussel, elektor, July/August 1979, pp. 7-84 - 7-85.							
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EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
	3,994,237	11/30/76	Thomsen	104	149	10/06/75	
	4,335,381	06/15/82	Palmer	340	825.21	08/14/79	
	4,349,196	09/14/82	Smith, III et al.	273	1 GC	02/08/80	
	4,390,877	06/28/83	Curran	340	825.72	07/31/89	
	5,012,236	04/30/91	Troyk et al.	340	825.54	05/26/89	
	3,555,270	01/12/71	E. Persson	246	194	04/22/68	
	3,736,484	05/29/73	Reynolds et al.	318	587	09/27/71	
	5,050,505	09/24/91	Konno	104	295	07/31/89	
	5,085,148	02/04/92	Konno	104	130	05/17/90	
	5,263,670	11/23/93	Colbaugh et al.	246	63 R	02/13/92	
	2,606,281	08/05/52	L. R. Thomas et al.	246	29	03/03/48	
	2,622,542	12/23/52	J. L. Bonanno	104	150	10/11/47	
	2,830,148	04/08/58	J. F. Barger	200	87	06/01/54	
	2,963,985	12/13/60	M. Palmer et al.	104	151	07/01/57	
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	"The Digital Model Train - Part 1", T. Wigmore, Elektor Electronics, February 1989, pp. 42-46.						
	"The Digital Model Train - Part 2", T. Wigmore, Elektor Electronics, March 1989, pp. 50-53.						
	"The Digital Model Train - Part 3", T. Wigmore, Elektor Electronics, April 1989, pp. 14-18.						
	"The Digital Model Train - Part 4", T. Wigmore, Elektor Electronics, May 1989, pp. 16-17.						
	"The Digital Model Train - Part 5", T. Wigmore, Elektor Electronics, July/August 1989, pp. 56-59.						
	"The Digital Model Train - Part 6", T. Wigmore, Elektor Electronics, September 1989, pp. 44-47.						
	"The Digital Model Train - Part 7", T. Wigmore, Elektor Electronics, October 1989, pp. 21-24.						
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U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
	3,220,356	11/30/65	D. J. Leslie	104	151	12/03/62	
	3,529,216	09/15/70	E. A. Kolm et al.	317	147	06/29/67	
	3,587,100	06/22/71	Sparta et al.	343	225	08/15/68	
	4,207,569	06/10/80	Meyer	343	6.5 R	08/14/78	
	3,810,099	05/07/74	Woods	340	171 R	10/26/72	
	4,334,221	06/08/82	Rosenhagen et al.	340	825.72	10/22/79	
	1,766,329	06/24/30	L. Caruso			07/20/26	
	1,887,988	11/15/32	Earl D. Boisselier			06/17/32	
	1,982,692	12/04/34	Donald H. Queeney	104	151	05/23/29	
	1,997,748	04/16/35	L. W. Rosenthal	104	151	11/30/32	
	2,013,947	09/10/35	E. D. Boisselier	104	151	03/9/34	
	2,077,163	04/13/37	W. T. Bailey	104	149	06/11/36	
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	"The Digital Model Train - Part 8", T. Wigmore, Elektor Electronics, November 1989, pp. 32-36.						
	"The Digital Model Train Part 9: Keyboards", T. Wigmore, Elektor Electronics, December 1989, pp. 24-28.						
	"The Digital Model Train Part 10 - RS232 Interface", T. Wigmore, Elektor Electronics, January 1990, pp. 38-43.						
	"The Digital Model Train Part 11 - The Monitor Unit", T. Wigmore, Elektor Electronics, February 1990, pp. 53-55.						
	"The Digital Model Train Part 12 - Address Display", T. Wigmore, Elektor Electronics, March 1990, pp. 52-54.						
	"The Digital Model Train Concluding Part", T. Wigmore, Elektor Electronics, pp. 24-26.						
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	2,257,473	09/30/41	E. E. McKeige et al.	104	150	04/15/38	
	2,826,996	03/18/58	W. R. Smith	104	150	06/16/53	
	2,830,148	04/08/58	J. F. Barger	200	87	06/01/54	
	2,963,985	12/13/60	M. Palmer et al.	104	151	07/01/57	
	3,211,111	10/12/65	W. J. Morley	104	149	08/24/60	
	3,220,356	11/30/65	D. J. Leslie	104	151	12/03/62	
	3,315,613	04/25/67	D. J. Leslie	104	151	07/22/63	
	3,363,109	01/09/68	J. R. Wilhelm	307	12	01/23/63	
	3,400,488	09/10/68	R. J. Phillpott et al.	46	244	04/04/66	
	3,425,156	02/04/69	Harry W. Field	46	232	10/21/65	
	3,553,450	01/05/71	Max Ernst	246	32	07/23/68	
	3,587,100	06/22/71	Doremus et al.	343	225	08/15/68	
	3,705,387	12/05/72	Stern et al.	340	171 A	01/11/71	
	3,955,129	05/04/76	Wagner et al.	318	55	01/21/74	
	3,964,701	06/22/76	Kacarek	246	2 F	05/27/75	
	3,994,237	11/30/76	Thomsen	104	149	10/06/75	
	4,010,409	03/01/77	Waites	318	587	07/31/73	
	4,085,356	04/18/78	Meinema	318	331	12/08/75	
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	"Please Climb Aboard!", marklin Digital Ho, 1985/86 E, pp. 1-16.						
	"Everything is Digital", marklin Digital, 1988/1989 E, pp. 1-8.						
	"100 Years of Model Railroading", marklin, New Items 1991, pp. 1-32.						
	"Everything operates digitally", marklin, 1990/91 E, pp. 1-15.						
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INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)				ATTY. DOCKET NO. 52292-53		SERIAL NO. Continuation of Serial No. 10/237,070	
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U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
	4,204,200	05/20/80	Beyl, Jr.	340	384 E	10/11/78	
	4,219,962	09/02/80	Dankman et al.	46	232	08/28/78	
	4,334,221	06/08/82	Rosenhagen et al.	340	825.72	10/22/79	
	4,335,381	06/15/82	Palmer	340	825.21	08/14/79	
	4,349,196	09/14/82	Smith, III et al.	273	1 GC	02/08/80	
	4,390,877	06/28/83	Curran	340	825.72	07/31/80	
	4,572,996	02/25/86	Hanschke et al.	318	341	04/19/84	
	4,620,280	10/28/86	Conklin	364	426	07/29/83	
	4,747,351	05/31/88	Baret	104	297	12/18/85	
	4,914,368	04/03/90	Orton	318	663	09/30/88	
	4,929,949	05/29/90	Yamamoto et al.	341	176	04/22/88	
	4,964,837	10/23/90	Collier	446	409	02/16/89	
	5,045,016	09/03/91	Stern et al.	446	409	07/25/90	
	5,085,148	02/04/92	Konno	104	130	05/17/90	
	5,085,610	02/04/92	Engel et al.	446	175	05/16/91	
	5,146,153	09/08/92	Luchaco et al.	323	324	11/01/89	
	5,241,487	08/31/93	Bianco	364	569	10/03/90	
	5,297,484	03/29/94	Piserchia et al.	105	1.5	07/03/91	
	5,306,197	04/26/94	Watanabe	446	409	08/28/91	
	5,061,905	10/29/91	Truchsess	331	47	11/16/90	
	4,613,103	09/23/86	Waranowitz	246	473 A	09/28/82	
FOREIGN PATENT DOCUMENTS							
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						Yes	No
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">EXAMINER</div> <div style="width: 45%;">DATE CONSIDERED</div> </div>							

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	4,341,982	07/27/82	Lahti et al.	318	51	07/03/80	
	5,073,750	12/17/91	Coron	318	58.7	01/30/90	
	5,195,920	03/23/93	Collier	446	409	10/18/90	
	4,325,199	04/20/82	McEdwards	46	232	10/14/80	
	5,174,216	12/29/92	Miller et al.	104	296	03/13/91	
	4,307,302	12/22/81	Russell	307	40	03/27/79	
	6,281,606	08/28/01	Westlake	307	125	12/16/98	
	5,448,142	09/1995	Severson et al	318	280		
	3,942,114	03/1976	Keeling, William E.	324	177		
	4,234,922	11/1980	Wilde et al	701	20		
	5,893,043	04/1999	Moehlenbrink et al	701	207		
	5,437,422	08/1995	Newman, Gregory D.	246	5		
	5,456,604	10/1995	Olmsted et al	434	62		
	4,085,356	04/1978	Meinema, Herbert E.	318	270		
	3,999,108	12/1976	Tanikoshi, Kinji	318	138		
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
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